

ABSTRACT OF THE DISCLOSURE

An optical fiber having a length of one kilometer or more with average transmission loss at a wavelength of 1383 nm being less than average transmission loss at a wavelength
5 of 1310 nm,

wherein a maximum value of a transmission loss at the wavelength of 1383 nm of any one kilometer section along the entire length of the optical fiber does not exceed the
10 average transmission loss at the wavelength of 1383 nm along the entire length of the optical fiber by 0.03 dB/km or more.